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Image:



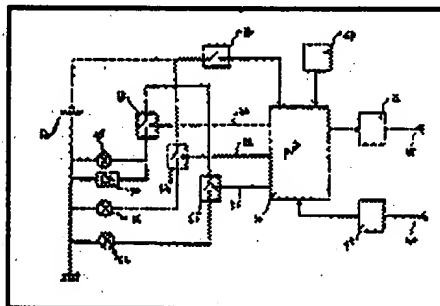
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International BureauINTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT
COOPERATION TREATY (PCT)

(51) International Patent Classification⁶: H04B 11/00, B63C 11/26, H04B 13/02	A1	(11) Int. Publication Number: WO 98/45969 (43) Int. Publication Date: 15 October 1998 (15.10.1998)
(21) Int. Application Number: PCT/FR97/00642 (22) Int. Filing Date: 10 April 1997 (10.04.1997) (71)(72) Applicant and Inventor: DELATTRE, Bertrand 17, avenue Caravadossi, F-06000 Nice ; (FR). [FR/FR].	(81) Designated States: AU, CA , CN, IL, JP , SG, US ; European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE) Published <i>With international search report.</i>	
(54) Title: COMMUNICATION AND ALERT DEVICE FOR UNDERWATER DIVERS (57) Abstract Disclosed is a communication and alert device for underwater divers, worn on the wrist of the <i>diver</i> or elsewhere and comprising an ultrasound <i>transmitter</i> (36) and <i>receiver</i> (42) operated by a microprocessor (30). A manual control element (34) such as a push-button in the device is used by the <i>diver</i> to initiate either the transmission of a first type of ultrasound signal to indicate the <i>diver's</i> desire to inform the other divers of a discovery, or of a second type of ultrasound signal to indicate the <i>diver's</i> desire to convey to the other divers that he is in danger.		

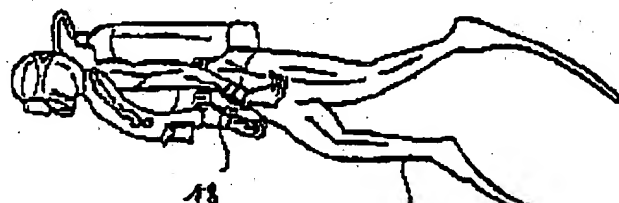
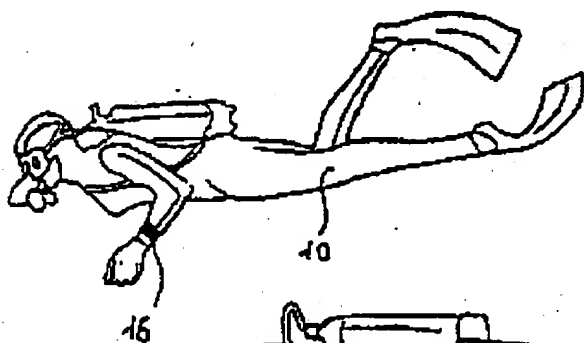
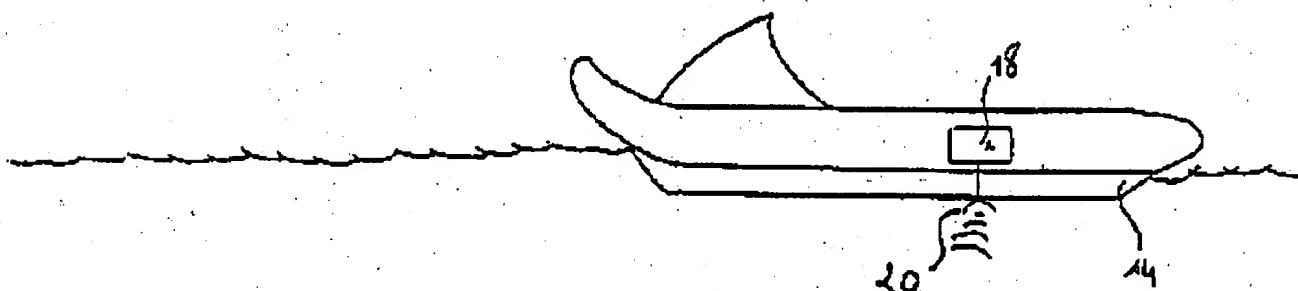


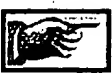


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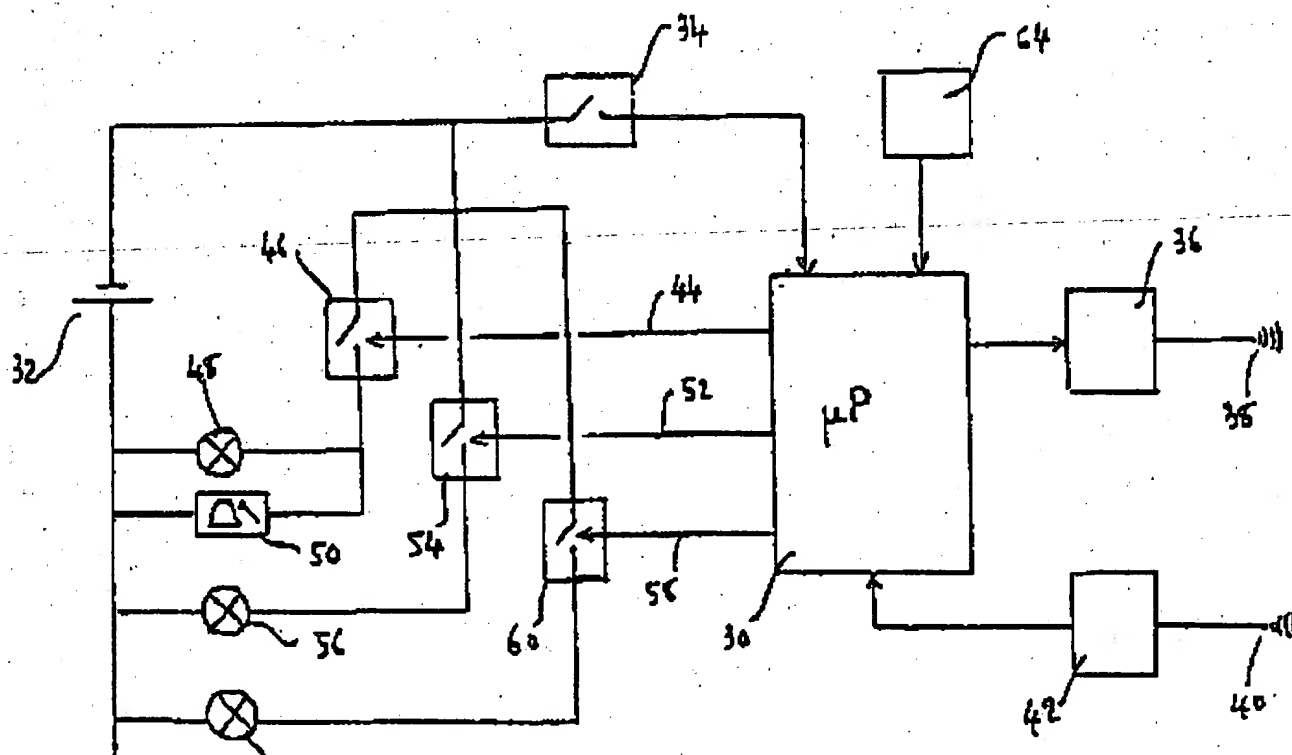
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 97/00642

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04B11/00 B63C11/26 H04B13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04B B63C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevance
X	US 4 679 177 A (AOYAGI MASARU ET AL) 7 July 1987	1,7
Y	see abstract; figures 1-3 see column 2, line 20 - column 4, line 20	2-6
Y	GB 2 288 479 A (DALE JEREMY NEVILLE) 18 October 1995 see page 8, line 11 - line 33 see abstract; claims 17,23,26; figures 1,3	2-6
Y	US 3 469 231 A (GEILING HERMANN ET AL) 23 September 1969 see column 2, line 10 - column 3, line 21; figures 1,2,4	1-6
Y	GB 2 133 599 A (HONEYWELL ELAC NAUTIK GMBH) 25 July 1984 see column 3, line 4 - line 123	1-6

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.